

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-009504**Date Inspected:** 31-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

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|------------------------------------|--------------|----------------------------------|-------------------|----|
| CWI Name: | Xu Xian Ping | CWI Present: | Yes | No |
| Inspected CWI report: | Yes No N/A | Rod Oven in Use: | Yes No N/A | |
| Electrode to specification: | Yes No N/A | Weld Procedures Followed: | Yes No N/A | |
| Qualified Welders: | Yes No N/A | Verified Joint Fit-up: | Yes No N/A | |
| Approved Drawings: | Yes No N/A | Approved WPS: | Yes No N/A | |
| | | Delayed / Cancelled: | Yes No N/A | |
| Bridge No: | 34-0006 | Component: | OBG Subassemblies | |

Summary of Items Observed:

On this day Caltrans OSM Quality Assurance (QA) Inspector Stefan Holmes was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China.

Magnetic Particle Testing

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows:

Floor Beam

1. FB204-44; Welds 062,030,036,028,067,046,038,039
2. FB204-43; Welds 051,009,005,007,056,023,024,019
3. FB205-41; Welds 027,005,002,008
4. FB205-43; Welds 027,009,007,012
5. FB204-42; Welds 062,028,035,031,052,006,012,003,056,022,016,015,067,043,037,040
6. FB205-42; Welds 028,009,001,010,034,022,016,017
7. FB204-41; Welds 062,034,028,031,068,040,048,037

This QA Inspector performed FVT pursuant to notification sheet (Document No. 004114) on the following Miscellaneous Metals items:

Cable Tray

1. CTS1F(D1,D4)

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2. CTS1F1(A1,A4)
3. CTS4E(C1,C4)
4. CTS4E1(A3,A4)
5. CTS4F1(A3,A4,B3,B4,C3,C4)

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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| Inspected By: | Holmes,Stefan |
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| Quality Assurance Inspector |
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| Reviewed By: | Hall,Steven |
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| QA Reviewer |
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